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Patents

9/5/2 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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014836694 \*\*Image available\*\*

WPI Acc No: 2002-657400/200270

XRAM Acc No: C02-184392

XRXP Acc No: N02-519806

Elapsed time indicator, for measuring elapsed time in connection with,  
e.g. foodstuff packaging, comprises laminar structure having upper  
reactive layer and lower oxygen impermeable layer

Patent Assignee: LEWIS G (LEWI-I)

Inventor: LEWIS G

Number of Countries: 098 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200246741	A1	20020613	WO 2001AU1468	A	20011113	200270 B
AU 200214814	A	20020618	AU 200214814	A	20011113	200270

bad Date

Priority Applications (No Type Date): AU 20001860 A 20001204

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200246741	A1	E	23	G01N-031/22	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200214814 A G01N-031/22 Based on patent WO 200246741

Abstract (Basic): WO 200246741 A1

NOVELTY - Elapsed time indicator comprises a laminar structure having an upper reactive layer and lower oxygen impermeable layer. The reactive layer includes reactive material(s) capable of reacting with oxygen to create a color changed product. It is constructed such that the oxygen permeability of the reactive layer is greater towards the periphery of the device and lesser towards the center.

USE - Used for measuring elapsed time in connection with, e.g. foodstuff packaging or pharmaceutical products. It may be incorporated into packaging materials, or may form an entire packaging surface. It may be applied to a surface as printed **indicia**, which become visible and optionally reveals or obscures **messages** as a color change product develops (all claimed).

ADVANTAGE - The inventive elapsed time indicator avoids the need to create a matrix in which reactants are separated by some barrier that is compromised over time or by a physical barrier, e.g. a gel, designed to hinder the free movement of reacting molecules.

DESCRIPTION OF DRAWING(S) - The figure illustrates in side view and in plan view the inventive elapsed time indicator.

pp; 23 DwgNo 2a/4

Title Terms: ELAPSED; TIME; INDICATE; MEASURE; ELAPSED; TIME; CONNECT; FOOD; PACKAGE; COMPRISE; LAMINA; STRUCTURE; UPPER; REACT; LAYER; LOWER; OXYGEN; IMPERMEABLE; LAYER

Derwent Class: A89; B07; D14; E19; E24; J04; Q31; Q34; S03

International Patent Class (Main): G01N-031/22

International Patent Class (Additional): B65B-025/00; B65D-081/20

File Segment: CPI; EPI; EngPI

**9/5/14 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
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004635140

WPI Acc No: 1986-138483/198622

XRPX Acc No: N86-102330

**Security cap for screw top container - has wiping ribs on disc visible through transparent top , removing lettering when relative rotation occurs**

Patent Assignee: SUNBEAM PLAS CORP (SUNG )

Inventor: GACH P P

Number of Countries: 006 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3541016	A	19860522	DE 3541016	A	19851119	198622 B
GB 2167393	A	19860529	GB 8528377	A	19851118	198622
FR 2573392	A	19860523				198627
AU 8549830	A	19860529				198629
US 4603785	A	19860805	US 84673013	A	19841119	198634
GB 2167393	B	19880824				198834
CA 1259276	A	19890912				198942

Priority Applications (No Type Date): US 84673013 A 19841119

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3541016	A		13		

Abstract (Basic): DE 3541016 A

The screw **cap** for a bottle, jar etc. is flanged and transparent on **top** (20), with a screw thread inside. Around the inside, above the screw thread is a small circular rib (44) leaving a groove (42) which retains an inner **disc** (30). This has three equally spaced lugs (50) projecting from it, and the **cap** incorporates three equally spaced vertical ribs (48) inside. This allows the **disc** to remain stationary when the **cap** is rotated through an angle of less than 120 degrees.

The **cap** carries indicating letters on its inside surface, which are rubbed off by radial ribs (54) on **top** of the **disc** when this relative movement occurs. Further rotation allows the **cap** to be unscrewed, together with the **disc**, also allowing a sealing flange under the **disc** to be released from inside the container mouth.

ADVANTAGE -Unauthorised rotation of the **cap** is indicated. (13pp Dwg.No.4/6)

Title Terms: SECURE; CAP ; SCREW; TOP ; CONTAINER; WIPE; RIB; DISC ; VISIBLE; THROUGH; TRANSPARENT; TOP ; REMOVE; LETTER; RELATIVE; ROTATING; OCCUR

Derwent Class: Q33

International Patent Class (Additional): B65D-041/38 ; B65D-051/18 ; B65D-055/14

File Segment: EngPI

9/TI/1 (Item 1 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Flexible container includes audio tract comprising grooves for producing audible sound when stylus is moved across surface of grooves

9/TI/3 (Item 3 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Production by injection molding of publicity card including minidisc using a mold and a counter-mold

9/TI/4 (Item 4 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Composite bat for baseball or softball comprises hollow bat frame made of composite material of fibers in matrix binder, hollow annular metal sleeve, and recess formed in enlarged area of the frame

9/TI/5 (Item 5 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Storage box for compact disks , has label acting as sealant and provides address field, eliminating need for separate envelope

9/TI/6 (Item 6 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Compact disk packaging apparatus has front panel with transparent window containing indicia overlying interior indicia for three-dimensional image

9/TI/7 (Item 7 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Slammer for playing Pogs type games - made by injection moulding housing portions made from plastic resins having different softness to opposite sides of metal disc assembly

9/TI/8 (Item 8 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Compact disc storage package - has non- plastic panels forming booklet enclosure and side panels attached by releasable mating elements to plastic disc carrier

9/TI/9 (Item 9 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

All plastics reservoir cap for automotive power steering reservoirs - includes cap portion and central moulded stem portion, latter having oppositely extending integrally moulded stiffly resilient locking ears

9/TI/10 (Item 10 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Medication dispenser for dispensing medication for menopausal women - has receptacles around circular container so unwanted receptacles can be blanked off and indicia are carried on rotary disc

9/TI/11 (Item 11 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Secured folder for compact disc - with semi-circular tab cut from one panel of three folded rectangular panels

9/TI/12 (Item 12 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Erasable label kit for cassette or discs - has noncoated selfadhesive labels, marker pen and polyester pile fabric eraser

9/TI/13 (Item 13 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Optical disc holding and protecting retainer - has circular disc cavity located within rectangular cavity in thin rectangular base member

9/TI/15 (Item 15 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

Moulded plastics drinks glass guard - with solids retaining slotted disc integrally hinged to clip fitting over glass side

9/TI/16 (Item 16 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

CASE FOR STORING DISK -TYPE LIGHT AND/OR MAGNETIC INFORMATION MEDIUM

9/TI/17 (Item 17 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

BOOK WITH OPTICAL DISK

9/TI/18 (Item 18 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

METHOD AND DEVICE FOR RETARDING CLOSING MOVEMENT OF COVER BODY

Set	Items	Description
S1	2014174	PLASTIC? OR ELASTOMER? OR THERMOELASTIC? OR POLYMER??
S2	660810	DISC OR DISCS OR DISK OR DISKS OR WASHER? ? OR GASKET? ?
S3	1777339	CAP OR CAPS OR TOP OR TOPS OR COVER????
S4	255812	INDICIA OR WORD? ? OR MESSAGE? ? OR ANNOUNCEMENT? ? OR PHRASE? ? OR QUOTE? ?
S5	73	S1 AND S2 AND S3 AND S4
S6	3	S5 AND S3(3N)BOTTLE? ?
S7	18	S5 AND IC=(B65D OR A63B OR A63H)
S8	18	IDPAT (sorted in duplicate/non-duplicate order)
S9	18	IDPAT (primary/non-duplicate records only)

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File 347:JAPIO Oct 1976-2002/Dec(Updated 030402)  
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200325  
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File 371:French Patents 1961-2002/BOPI 200209  
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